



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Sunday, August 02, 2015

Issued: 0800 CT

***Day 1 Hazards: Isolated areas of heavy rain and flash flooding over NM into the TX/OK panhandles.***

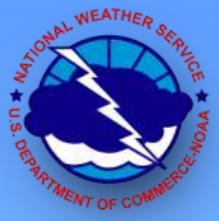
National Weather Service

Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX



Prepared by: Brian Hoeth  
817-978-1100 x 147

# Key Points



## Today - Monday

- Isolated areas of heavy rain/flash flooding over NM into the TX/OK panhandles

## Tuesday - Thursday

- Excessive Heat returns for the Eastern half of the Region by Wednesday, otherwise no significant weather impacts






## Tropical Outlook

- Tropical cyclone formation is not expected during the next 5 days

# \*FEMA Region 6 Threat Matrix

Aug 2, 2015 - Aug 6, 2015

| DAY/<br>THREAT                   | SUN                     | MON | TUE | WED                       | THU |
|----------------------------------|-------------------------|-----|-----|---------------------------|-----|
| Severe Weather                   |                         |     |     |                           |     |
| Heavy Rain<br>/Flash<br>Flooding | NM, TX/OK<br>panhandles | →   |     |                           |     |
| Heat                             |                         |     |     | Eastern half of<br>Region | →   |
| Tropical                         |                         |     |     |                           |     |

|  |                                   |
|--|-----------------------------------|
|  | Very Common – Happens Often       |
|  | Common – Happens Frequently       |
|  | Uncommon – A Few Times a Year     |
|  | Rare – Once Every 1-5 Years       |
|  | Very Rare – Once Every 5-10 Years |

*We continue to welcome feedback on our new color scale (details in the next slide). Please send comments to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).*



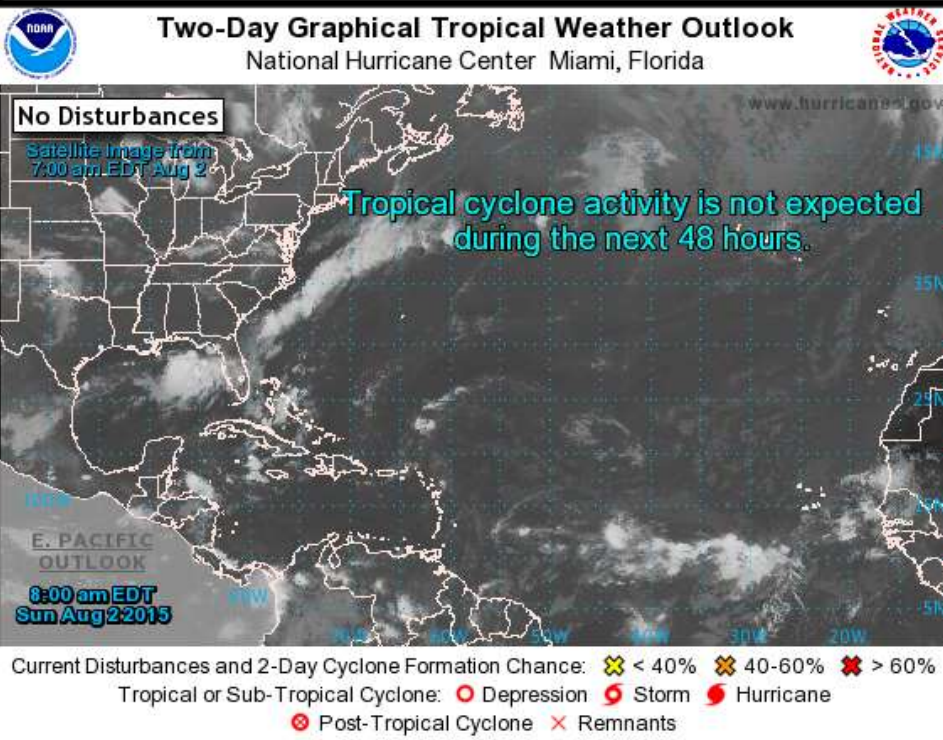
**We are experimenting with a new color scale in these briefings, starting on April 13<sup>th</sup>. The criteria is below, please provide your feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov) and we plan to re-evaluate in the coming months.**



**Weather "Threat" Matrix**

| Color         | Definition   | Criteria   | Example(s)  |
|---------------|--|--|---|
| <b>Green</b>  | <b>Very Common – Happens Often</b><br>Safety: Rarely a Direct Threat to Life and Property<br>Impact Potential: Typically Results in Little Inconvenience to Daily Routines                             | Severe: Marginal Risk from SPC<br>Flooding: Minor flooding expected over localized areas<br>Tropical: None   | <ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>  |
| <b>Yellow</b> | <b>Common – Happens Frequently</b><br>Safety: Rarely a Direct Threat to Life and Property<br>Impact Potential: Typically Results in Minor Inconvenience to Daily Life                                  | Severe: Slight Risk from SPC<br>Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas<br>Tropical: A weak tropical wave expected to move towards or near any coastline                             | <ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>                    |
| <b>Orange</b> | <b>Uncommon – A Few Times a Year</b><br>Safety: Often Threatening to Life and Property, Some Damage Unavoidable<br>Impact Potential: Typically Results in Large Disruption to Daily Life               | Severe: Enhanced Risk from SPC<br>Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas<br>Tropical: A Tropical Storm expected to move towards or near any coastline | <ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> </ul>                         |
| <b>Red</b>    | <b>Rare – Once every 1-5 Years</b><br>Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed<br>Impact Potential: Will likely result in Major Disruption to Daily Life      | Severe: Moderate Risk from SPC<br>Flooding: Moderate flooding expected over a widespread area (including urban locations)<br>Tropical: A Hurricane expected to move towards or near any coastline  | <ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> </ul>   |
| <b>Purple</b> | <b>Very Rare – Once Every 5-10 Years</b><br>Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed<br>Impact Potential: Typically results in Major Disruption to Daily Life | Severe: High Risk from SPC<br>Flooding: Major flooding expected over a widespread area (including urban locations)<br>Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline                                     | <ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul> |

# Atlantic/Gulf Tropical Weather Outlook

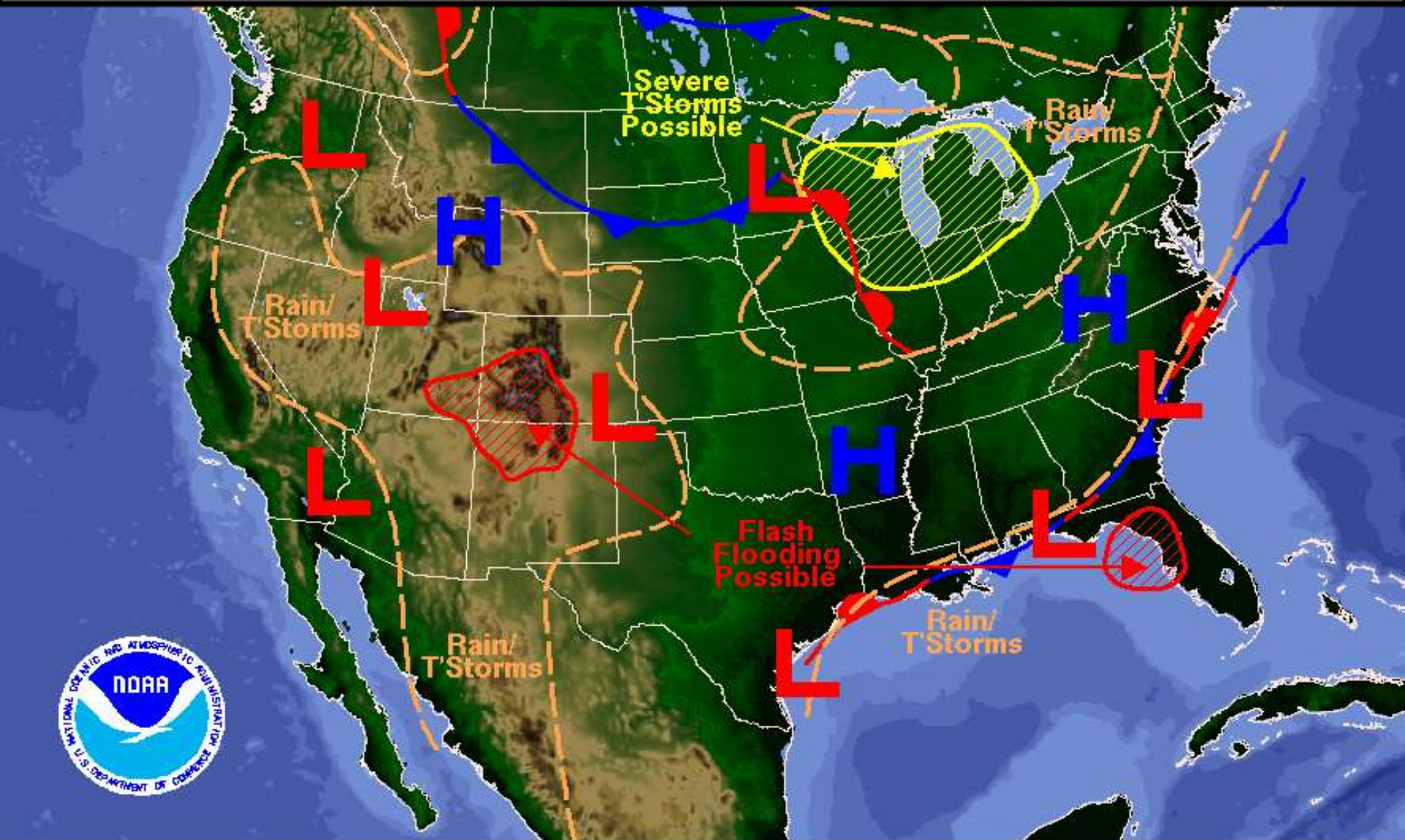


**Tropical cyclone formation is not expected the next 5 days**





# Today's Weather



Weather Forecast for Sun, Aug 02, 2015, issued 4:23 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Krekeler based on WPC, SPC and NHC forecasts

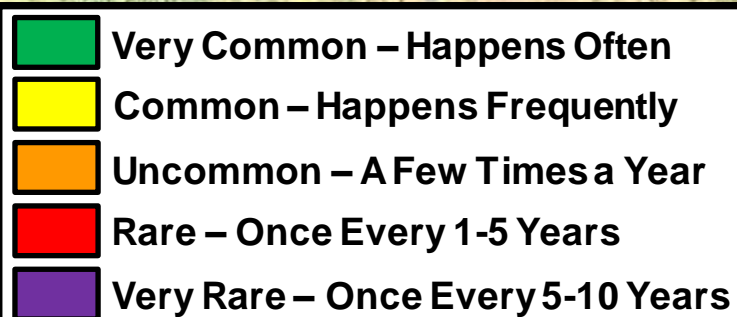


# Day 1 Weather Hazards

Valid: 0800 Sun - 0800 Mon



**Isolated Areas of Heavy Rain & Flash Flooding**



\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.





# Sunday, August 02, 2015

## Severe Thunderstorm Potential



### Overall Threat Potential



### Probability of Tornado within 25 miles of a point



### Probability of Damaging Hail within 25 miles of a point



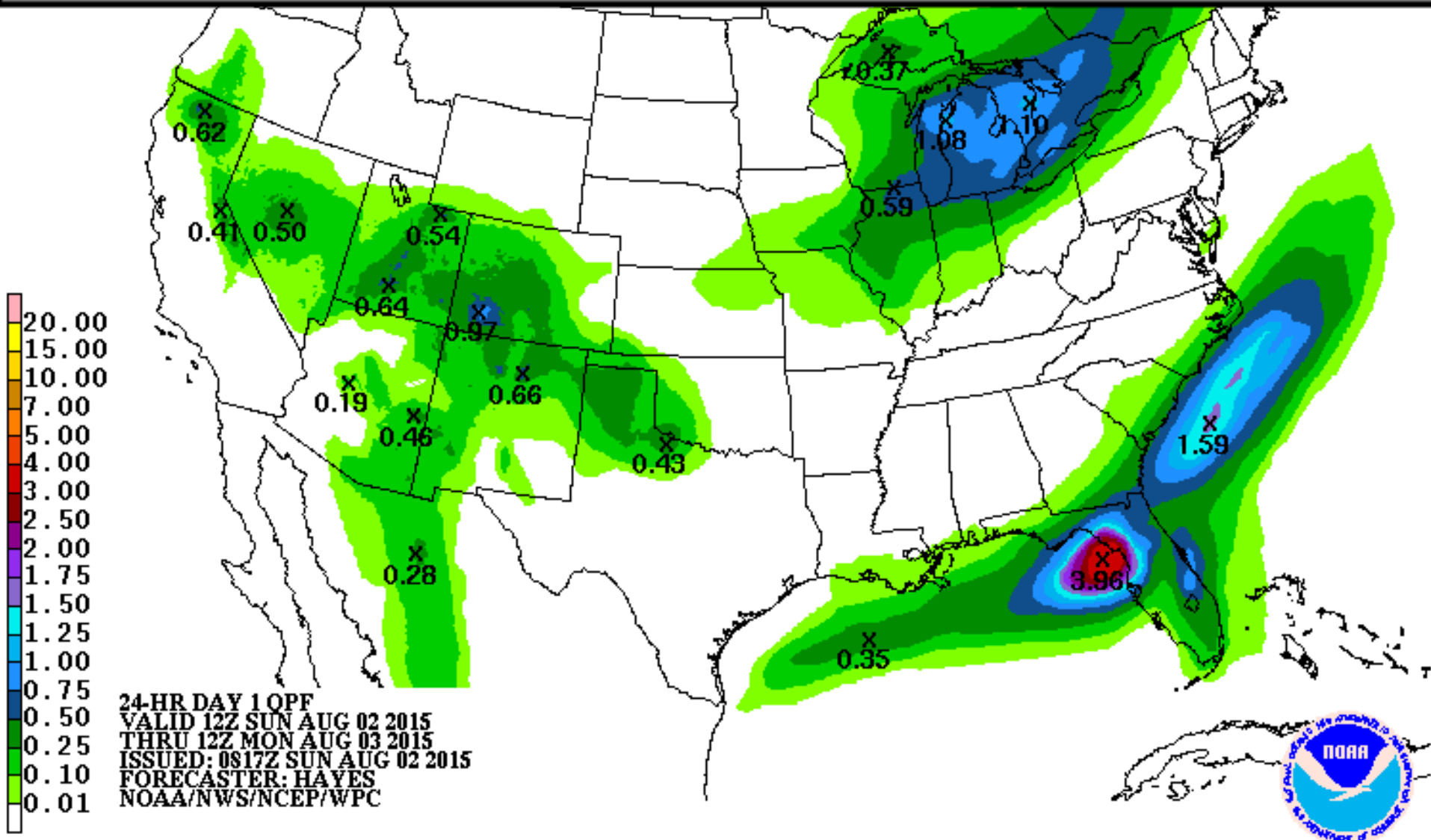
### Probability of Damaging Winds within 25 miles of a point



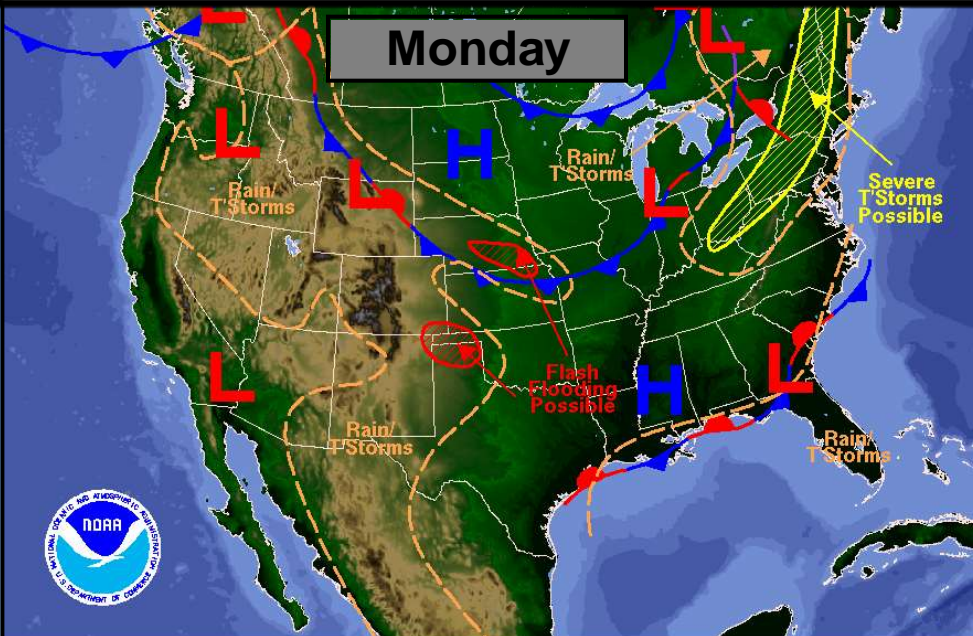


# Today's Precipitation

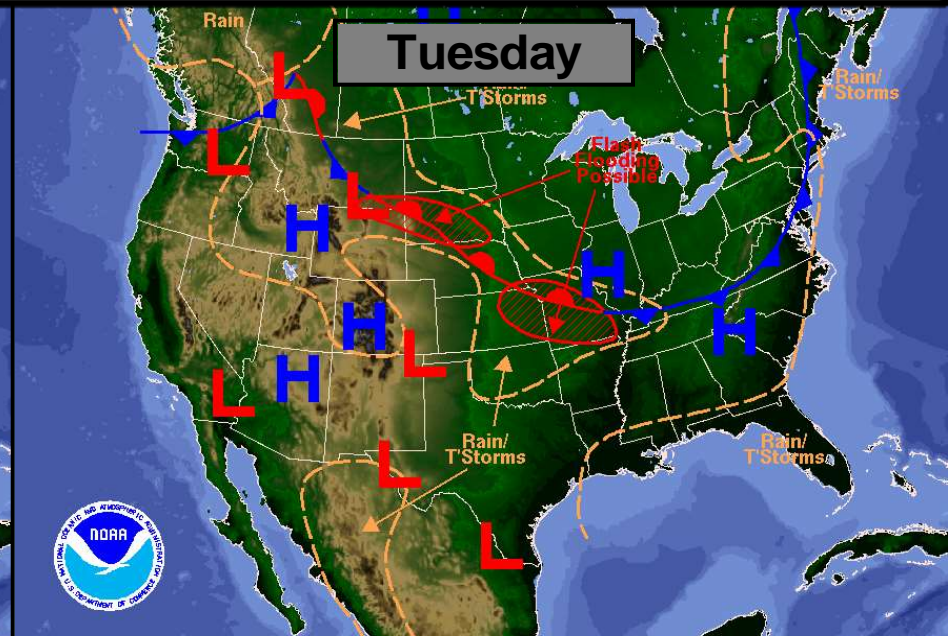
## Sun AM - Mon AM



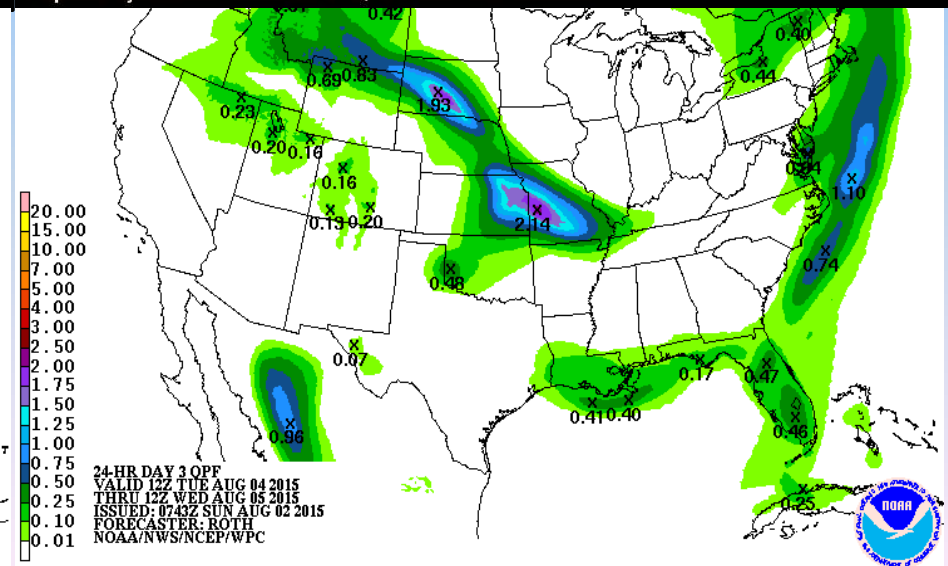
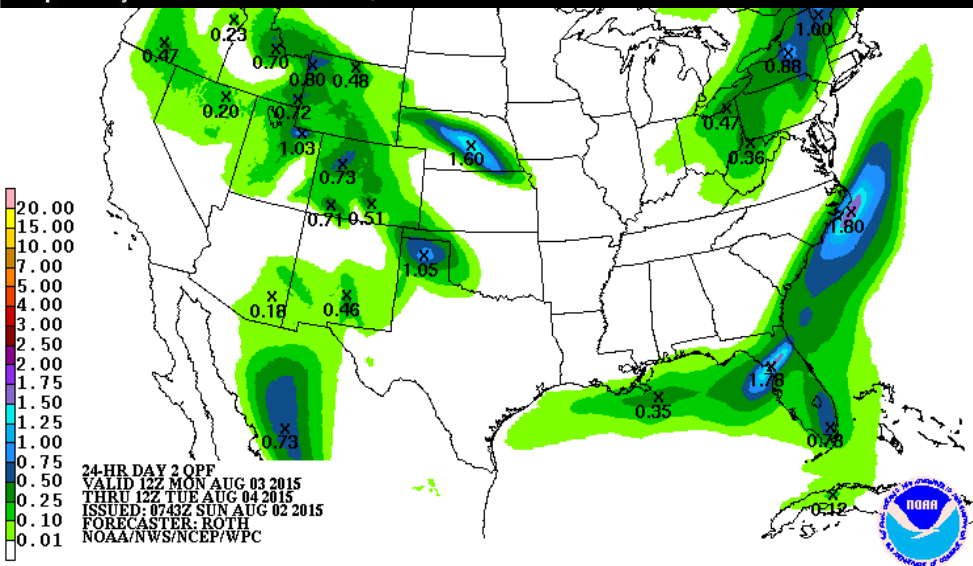
# Day 2-3 Weather Maps/Precipitation



Weather Forecast for Mon, Aug 03, 2015, issued 4:28 AM EDT Sun, Aug 02, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Krekeler based on WPC, SPC and NHC forecasts



Weather Forecast for Tue, Aug 04, 2015, issued 4:33 AM EDT Sun, Aug 02, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Krekeler based on WPC, SPC and NHC forecasts



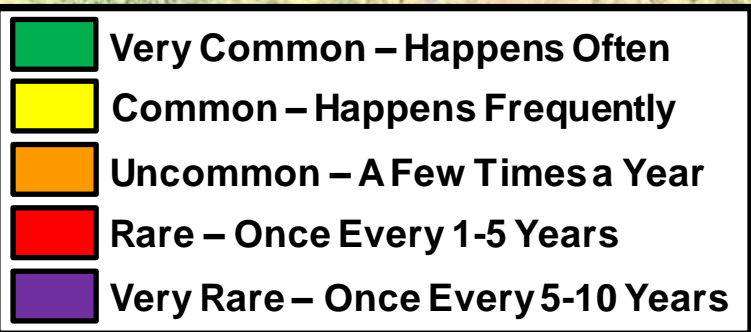


# Day 2-3 Weather Hazards

Valid: 0800 Mon - 0800 Wed



**Isolated Areas of Heavy Rain & Flash Flooding Monday**

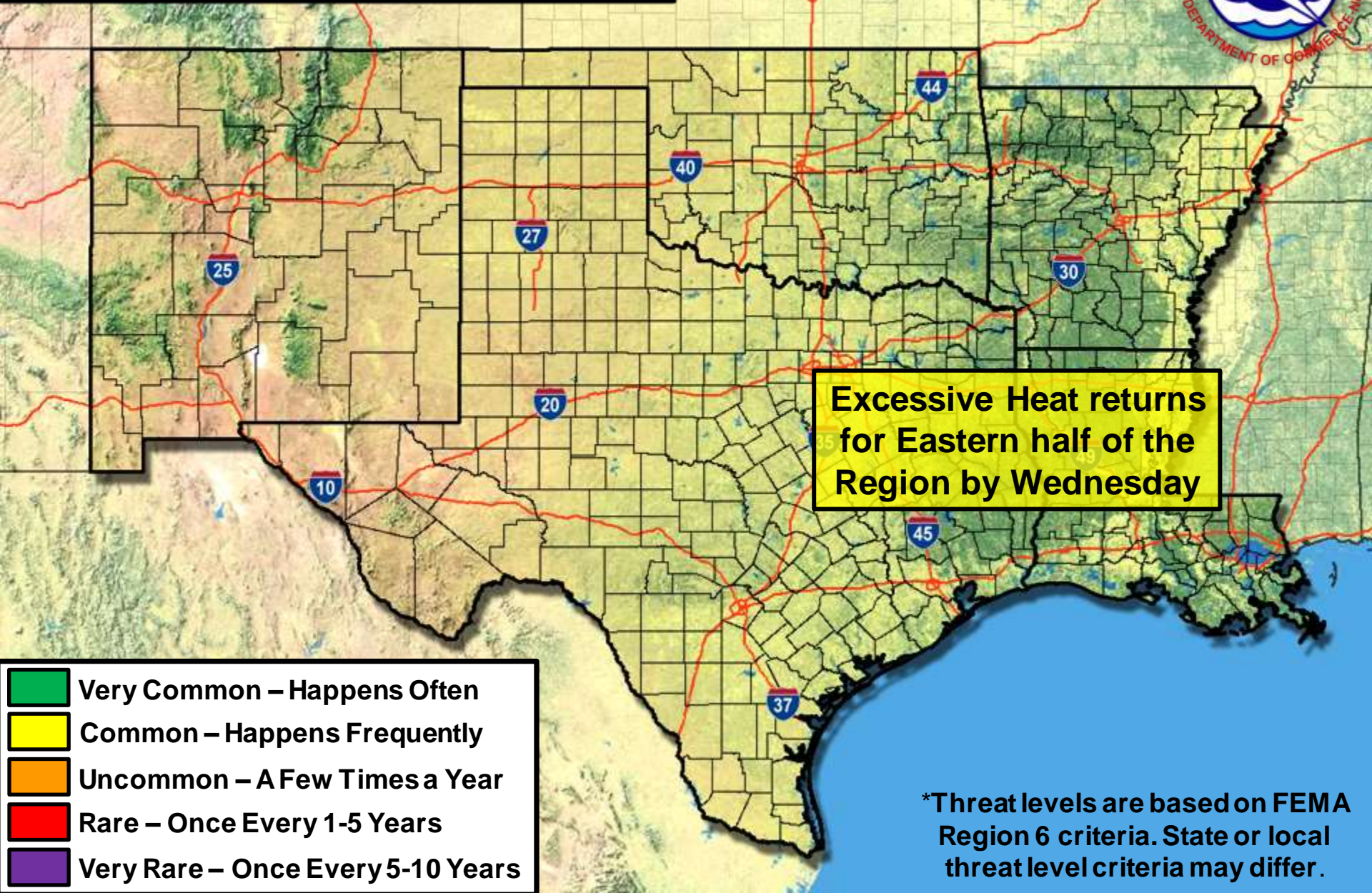


\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

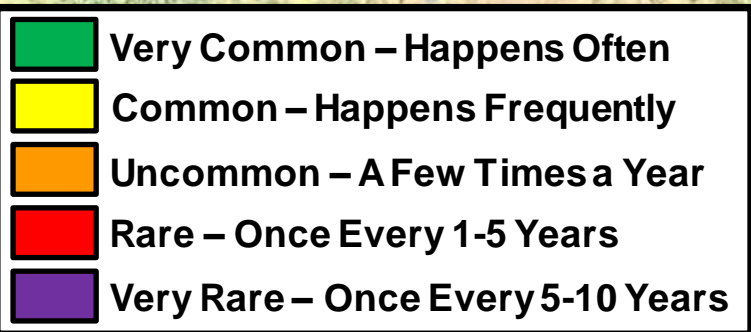


# Day 4-5 Weather Hazards

*Valid: 0800 Wed - 0800 Fri*



**Excessive Heat returns  
for Eastern half of the  
Region by Wednesday**

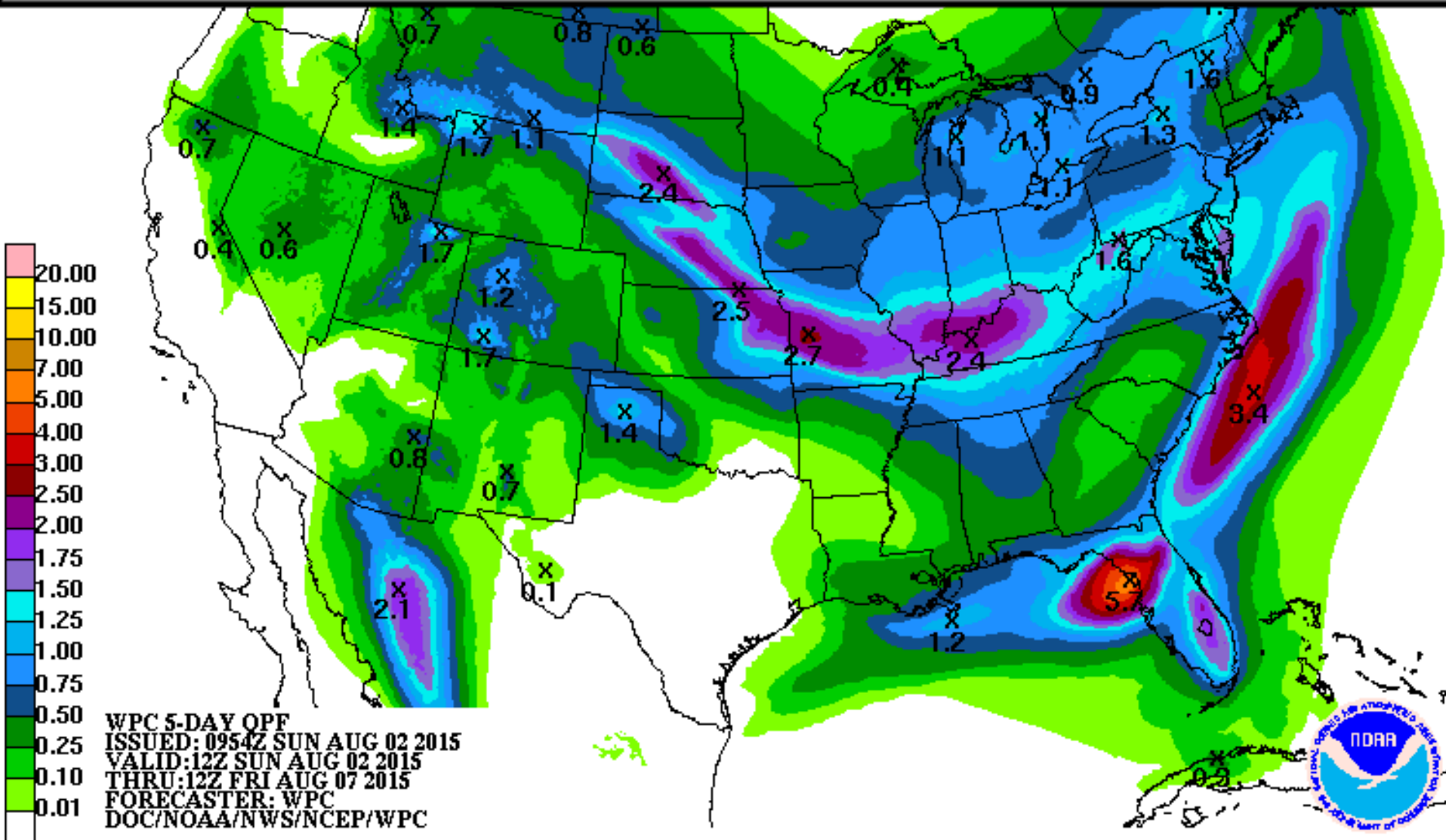


*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.*



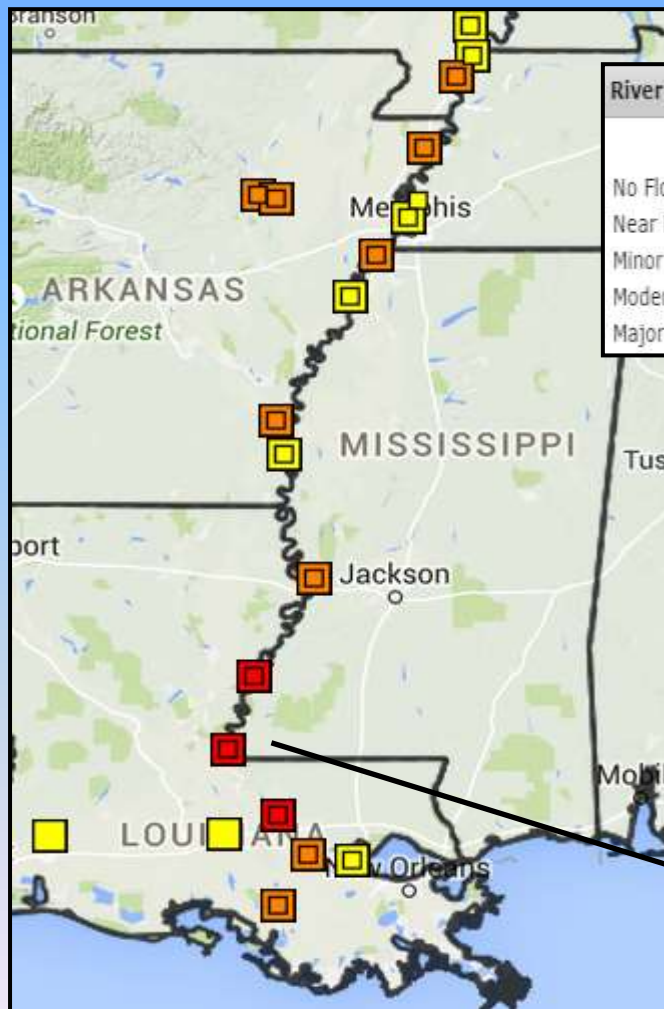
# 5-Day Precipitation

## Sun AM - Fri AM



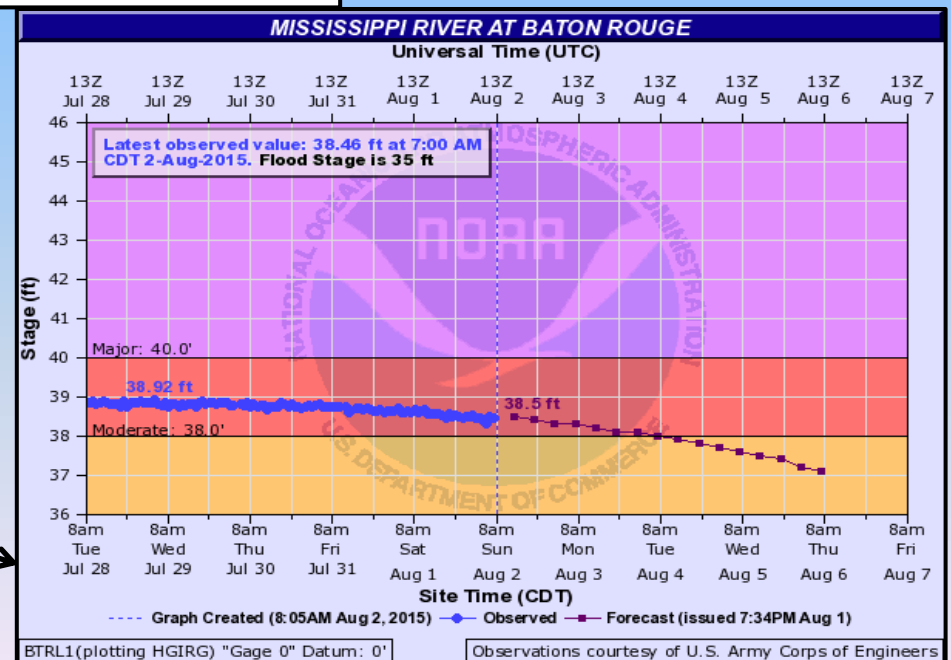
# Mississippi River Flood Status

The Lower MS River is generally expected to remain in Minor Flood Stage, with a few points in Moderate Flood Stage.



Possible impacts in/around Baton Rouge:  
Baton Rouge:

River traffic and industrial activity on the river side of the levees will be affected. Navigational safety regulations will be strictly enforced.



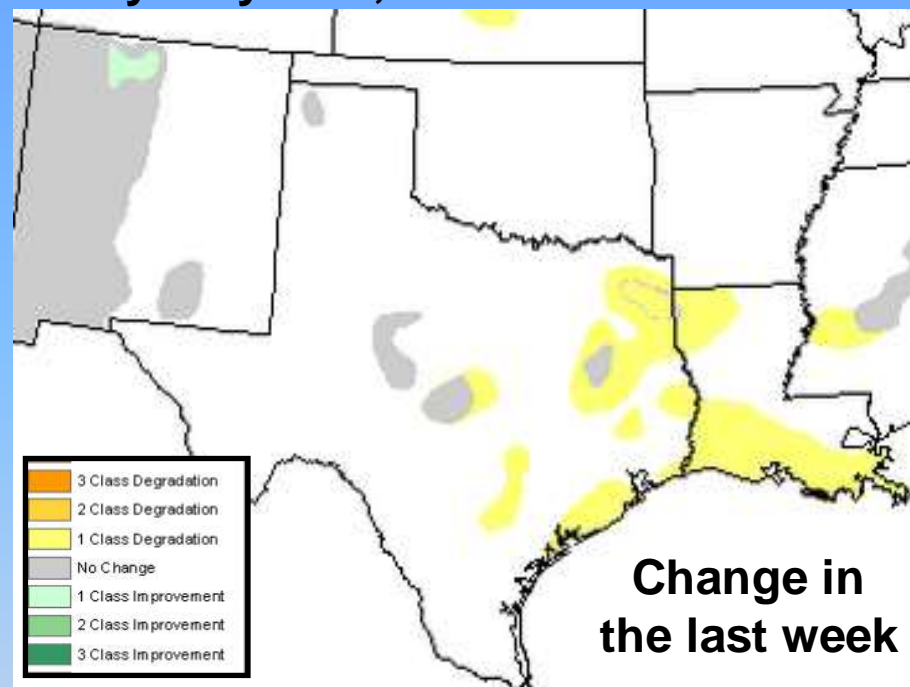
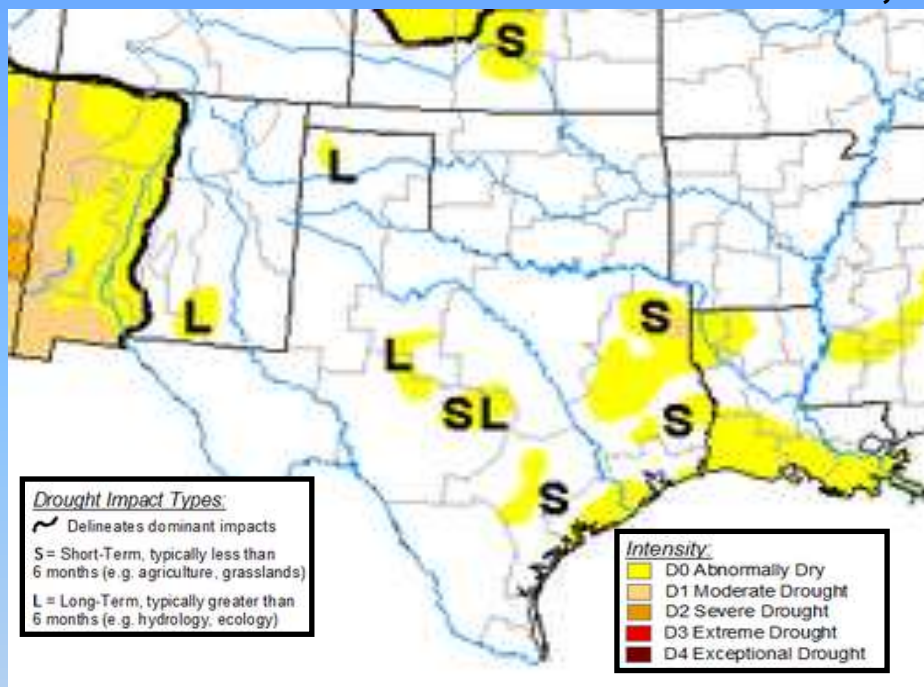
For latest river stages/forecasts, go to <http://www.srh.noaa.gov/rfcexp/main.php?fs=1>





# Drought Monitor Released July 30th, 2015

Data valid as of 7am CDT, Tuesday July 28th, 2015



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

| State      | Current | Last Week | 3 Months Ago | 1 Year Ago |
|------------|---------|-----------|--------------|------------|
| Oklahoma   | 0.00%   | 0.00%     | 24.34%       | 23.36%     |
| Texas      | 0.00%   | 0.00%     | 5.57%        | 14.29%     |
| New Mexico | 0.00%   | 0.00%     | 0.00%        | 18.26%     |
| Arkansas   | 0.00%   | 0.00%     | 0.00%        | 0.00%      |
| Louisiana  | 0.00%   | 0.00%     | 0.00%        | 0.00%      |

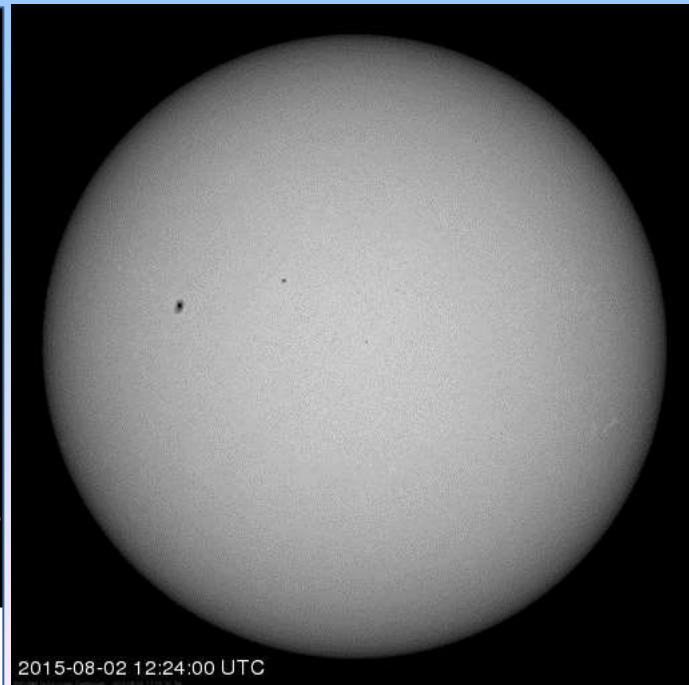
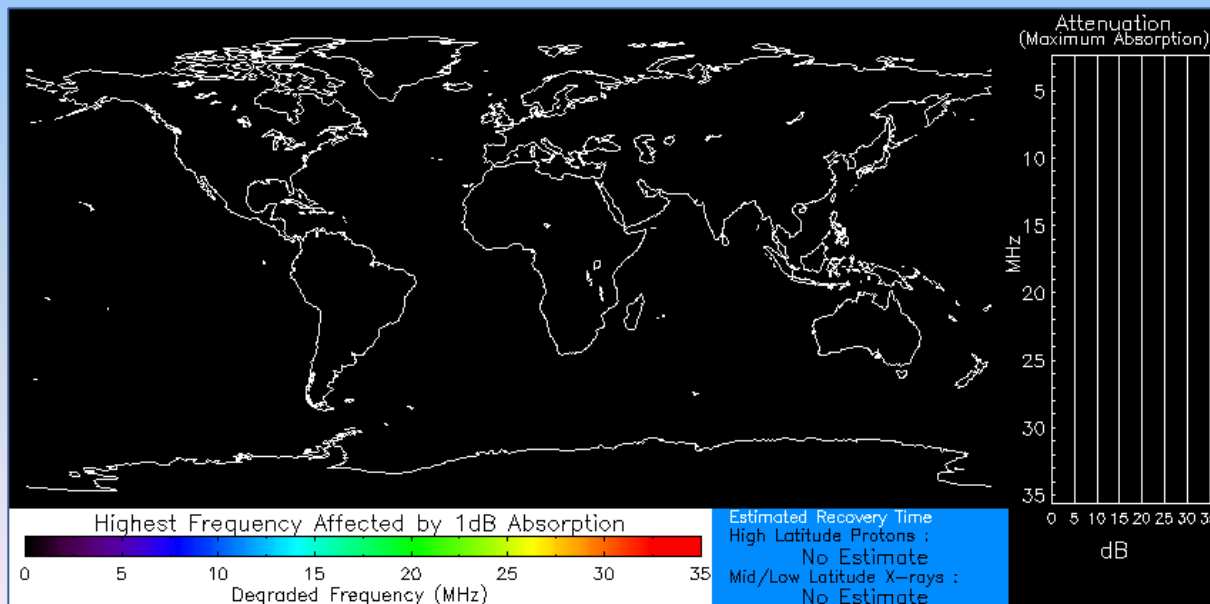
# Space Weather 3-Day Forecast



|                               | Sunday                    | Monday                    | Tuesday                   |
|-------------------------------|---------------------------|---------------------------|---------------------------|
| Geomagnetic Storms            | Unsettled<br>(Max Kp = 3) | Unsettled<br>(Max Kp = 3) | Unsettled<br>(Max Kp = 3) |
| Solar Radiation Storm (S1-S5) | 1%                        | 1%                        | 1%                        |
| Radio Blackout (R1-R2)        | 5%                        | 5%                        | 5%                        |
| Radio Blackout (R3-R5)        | 1%                        | 1%                        | 1%                        |

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2015-08-02 12:24:00 UTC

Normal X-ray Background  
Product Valid At : 2015-08-02 13:06 UTC

Normal Proton Background  
NOAA/SWPC Boulder, CO USA



Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

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